

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

September 22, 2006

Board of Land and
Natural Resources
Honolulu, Hawaii

REQUEST FOR AUTHORIZATION TO ISSUE ONE
NORTHWESTERN HAWAIIAN ISLANDS (NWHI) STATE MARINE REFUGE
RESEARCH, MONITORING AND EDUCATION PERMIT
TO MR. DONALD PALAWSKI OF THE U.S. FISH AND WILDLIFE SERVICE,
FOR MANAGEMENT ACTIVITIES WITHIN CERTAIN STATE WATERS,
VALID FROM SEPTEMBER 22, 2006 TO DECEMBER 31, 2006

The Division of Aquatic Resources (DAR) hereby submits a request for your authorization to issue a NWHI Access and Activity Permit to Applicant Mr. Donald Palawski of the Department of the Interior, U.S. Fish and Wildlife Service, Hawaiian Islands National Wildlife Refuge. The Research, Monitoring and Education Permit, as described below, will allow management activities to occur in the NWHI State Marine Refuge (0-3 miles) waters surrounding the following sites:

- Nihoa Island,
- French Frigate Shoals,
- Laysan Island, and
- Lisianski Island, Neva Shoal.

The activities covered under this permit will occur from September 22, 2006 through December 31, 2006, from the support vessel *M/V Kahana*. A derivative NWHI State Marine Refuge Special Activities Permit is also being requested to allow the *M/V Kahana* to enter the State waters thereof and to engage in support activities.

INTENDED ACTIVITIES:

The U.S. Fish and Wildlife Service (FWS) is the federal agency responsible for the management of the Hawaiian Islands National Wildlife Refuge (HINWR) within the NWHI. Applicant is the Refuge Manager. The agency enforces federal wildlife laws, administers the Endangered Species Act, manages migratory bird populations, restores nationally significant fisheries, and conserves and restores wildlife habitats such as wetlands. The HINWR has been a federally-administered wildlife refuge since 1909, when it was established by President Theodore Roosevelt under Executive Order 1019.

The purposes of the proposed activities are to enter the waters of the NWHI State Marine Refuge for HINWR management support only. Under this permit application, the only uses of the State waters will be for logistical support of habitat and wildlife surveys on land via small boat operations, moving cargo and personnel from ship to shore for field camp resupply via small boat operations, and non-invasive, no-disturbance swimming and snorkeling for long term staff fitness maintenance.

These activities are required for the continuation of the HINWR management. With the exception of Tern Island, the only way to reach the islands of the HIWNR is by small boat, and the only way to deliver large amounts of cargo to Tern Island is also by small boat.

The scope of these activities is as follows:

- 1) Small boat operations in support of habitat and wildlife surveys will occur in the waters surrounding Nihoa Island, French Frigate Shoals, Laysan Island, and Neva Shoals – Lisianski Island. The small boat operations to visit the islets within French Frigate Shoals will originate from Tern Island. The small boats will not anchor at Nihoa, Laysan, or Lisianski. They will only drive up to the beach or landing site and deliver/pick-up personnel as needed to conduct habitat and wildlife surveys on shore. At French Frigate Shoals, the small boats will anchor at the various islets of the atoll as needed to safely deploy personnel to conduct habitat and wildlife surveys.
- 2) Small boat operations to move cargo and personnel will occur in the waters surrounding Nihoa Island, French Frigate Shoals, Laysan Island, and Neva Shoals – Lisianski Island. At Tern Island, large cargo cannot be safely transported by aircraft and therefore must be delivered from ship to shore via small boat operations. The small boats will not anchor at any of the islands for resupply efforts. They will only drive up to the beach or landing site and deliver/pick-up personnel and cargo as needed to support on-island operations. At Tern Island, small boats will tie up to the dock, so no anchoring is necessary. The larger cargo vessel, *M/V Kahana* (see section 21 for details on the vessel), will anchor at French Frigate Shoals (23° 50.645 North 166° 16.493 West), Laysan Island (25° 46.457 North 171° 45.288 West), and Lisianski (26° 04.124 North 174° 00.749 West). It will not anchor at Nihoa Island.
- 3) Refuge Managers and field technicians will be stationed at these locations for up to six months at a time. For physical and mental health they must take part in regular physical activity and exercise. This is required to maintain their physical and mental well-being in these remote locations for such extended periods of time. Therefore, they will conduct regular swimming and snorkeling activities. No disturbance to wildlife or any collections will occur during any swimming or snorkeling activities.

FWS has maintained a field camp at Tern Island to monitor reproductive success of seabirds for over forty years. They also have a year-round camp at Laysan Island. The staff on these locations normally stay for six months and will be replaced in October and March. In October, they will also fully supply the new staff for the next six months. Therefore, they intend to

conduct a cruise in October for the above-mentioned activities. The permit being requested from the State is necessary to continue their operations on those remote islands.

Laysan Island is being continuously degraded because of guano mining, rabbit introduction and later sand bird introduction. Since 1990, FWS has been removing invasive plants species, replanting native species from a nursery on Nihoa, and restoring habitats.

Applicant and his personnel will also stop at Nihoa so that the seabird biologist, landbird biologist and botanist can stay there for 12 days. They will use seeds from Nihoa to replant at Laysan. Also, they found grasshoppers at Nihoa and put out devices to measure conditions to find out what had caused the outbreak. They want to visit a couple of times per year to work out a plan to get rid of the grasshoppers. They are also interested in one other island – Laysan – because it used to have a small lake where they could introduce the Laysan Ducks.

Applicant and his staff will not perform any taking, collecting, sampling, catching or killing in the State Waters under this permit, nor will they interact with any wildlife, fish or corals.

REVIEW PROCESS:

Scientific Reviews:

The permit application, a copy of which is attached herein, was received by DAR on September 8, 2006. It was sent out for review and comment to the following scientific and governmental entities: DAR staff (5), Division of Forestry and Wildlife, Historic Preservation Division, and the Northwestern Hawaiian Islands Marine National Monument (Monument), Native Hawaiian entities (2). However, given the limited timeframe and its less controversial nature, we have received feedbacks only from DAR staff members and Mr. Sol Kaho'ohalahala, Executive Director of the Kaho'olawe Island Reserve Commission.

DAR reviewers are generally supportive of this application. One question from the staff is that, since FWS intends to apply for a year-round permit for next year after this temporary permit, DAR staff may not be able to monitor exactly how many trips they will make to these islands per year or to determine whether the trips are indeed justifiable. DAR staff proposes that FWS should inform us before each of their trips and submit post-cruise report to us after each trip.

Mr. Kaho'ohalahala raised a question about the energy sources for FWS operations on these remote islands. He notices that, in the application, Applicant has requested to bring to the islands a certain amount of gasoline, diesel and propane. That raises the question of whether alternative energy sources, like wind mills or ocean current power, could be used instead of power generators using fossil fuels. FWS replied to that question and stated that most of the electrical power currently used on these islands is from photovoltaic. They have a large system to operate on Tern Island and a smaller one on Laysan. Alternative energy is something FWS has been examining. However, FWS has not explored ocean current electrical generators as many concerns would emerge from such a proposal. They also have not utilized wind power generators because of bird strike issues.

This application was also discussed at a permits working group consultation meeting on September 1, 2006, attended by DAR staff, Applicant and his staff, the Monument staff, and representatives from two environmental NGOs.

Cultural Reviews:

This application was also brought to the attention of some Native Hawaiians from different agencies and organizations, including the Office of Hawaiian Affairs, Center for Hawaiian Studies, and Kaho'olawe Island Reserve Commission. It was also one of the major topics in the NWHI Cultural Working Group Meeting that was held on September 5, 2006, even though the application had not been formally filed at the time. Applicant Donald Palawski was present and briefed the group on his application and the agency's long-term activity planning for the NWHI.

During the meeting, Applicant recognized that Nihoa is a particularly sensitive place and was looking for advice on what to do and not do, and on what is appropriate as far as number of times they should visit. The response was that it is difficult to do continuous cultural work if no cultural practitioners are there.

A concern was then raised that, from a Hawaiian point of view, in order to know a place, you have to live there. In living there, native Hawaiians are not concerned about just one thing (e.g., seabirds), but about the whole environment. While Native Hawaiians like the idea that someone is there, they are concerned that Applicant and his personnel are not there for the whole environment. In response, Applicant stated that he would hope that different people could develop a bond and start to develop a comprehensive knowledge base for the place.

Another question was raised by some Native Hawaiians and supported by other group members as to whether there is an opportunity to send a cultural specialist with them to Nihoa. Applicant replied that it could be considered, but space on the boat is tight. But he is definitely interested in bringing young Native Hawaiians on their future NWHI missions. The Monument indicated that it might consider sending their cultural specialist if FWS can so accommodate.

STAFF OPINION:

DAR staff is of the opinion that Applicant has properly demonstrated valid justifications for his application and should be allowed to conduct the activities as specified in the application with the following special instructions and conditions, which are in addition to the General Conditions imposed by the Application Guidelines:

1. Allow Applicant's management activities as specified in the permit application at the State waters surrounding Nihoa Island, French Frigate Shoals, Laysan Island, Lisianski Island, and Neva Shoal only.
2. Allow the entry of the support vessel *M/V Kahana* into State waters to support Applicant's management activities at the Nihoa Island, French Frigate Shoals, Laysan Island, Lisianski Island, and Neva Shoal only. This vessel and its crew must be under the direct supervision of Applicant who shall be held responsible for all activities thereon.

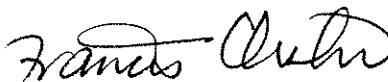
3. Require Applicant to inform DAR before each of their trips and submit post-cruise report to after each trip if they will conduct multiple trips by the end of the year.
4. Allow anchoring at sandy substrates only, but not on any corals or live rocks.
5. Direct that Applicant and his staff shall be briefed on Native Hawaiian cultural traditions and practices at least once a year.
6. Direct that the hulls of the support vessel and all tender vessels must be thoroughly and properly cleansed before each and every cruise to the NWHI. This procedure must be performed prior to each departure from the Main Hawaiian Islands even if the hulls are considered relatively clean, and shall be properly documented, records of which must be immediately submitted to DAR upon request.
7. Direct that all forms of fishing, no matter for subsistence, commercial or recreational purposes, are prohibited in State waters.

RECOMMENDATION:

"That the Board authorize to issue, with stated conditions, a NWHI State Marine Refuge Research, Monitoring and Education Permit to Mr. Donald Palawski of the Department of the Interior, U.S. Fish and Wildlife Service, Hawaiian Islands National Wildlife Refuge, for access and certain activities within the designated State waters of the NWHI State Marine Refuge; and

That the Board authorize to issue, with stated conditions, a NWHI State Marine Refuge Special Activities Permit to Mr. Mario Luis (captain of the ship) and the support vessel *M/V Kahana* of P&R Water Taxi, valid only as under the supervision of Applicant Mr. Donald Palawski, for access and certain activities within the designated State waters of the NWHI State Marine Refuge."

Respectfully submitted,


for DAN POLHEMUS
Administrator

APPROVED FOR SUBMITTAL


PETER T. YOUNG
Chairperson

APPENDIX 1

**State of Hawai'i
DLNR
Northwestern Hawaiian Islands State Marine
Refuge
Permit Application Form
Draft**

<i>For Office Use Only</i>
Permit No:
Expiration date:
Date Appl. Received:
Appl. Fee received:
NWHI Permit Review Committee date:
Board Hearing date:
Post to web date:

Type of Permit

☐ I am applying for a **Research, Monitoring & Education** permit. (Complete and mail Application)

☐ This application is for a NEW project in the State Marine Refuge.

☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.

☐ I am applying for a permit for a **Native Hawaiian** permit. (Complete and mail Application)

☐ This application is for a NEW project in the State Marine Refuge.

☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.

☒ I am applying for a **Special Activity** permit. (Complete and mail Application)

☒ This application is for a NEW project in the State Marine Refuge.

☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.

Briefly describe **Special permit** activity:

This is a Special Activity permit application to perform U.S. Fish and Wildlife Service management activities within the Northwestern Hawaiian Islands State Marine Refuge.

When will the NWHI activity take place?

☐ **Summer** (May-July of _____ (year)

Note: Permit request must be received before February 1st

Specific dates of expedition _____

☐ **Fall** (August-November) of _____ (year)

Note: Permit request must be received before May 1st

Specific dates of expedition _____

☒ **Other** 22 September 2006 through 31 December 2006, a subsequent application will be submitted for work beginning on 1 January 2007 and extending through 31 December 2007.

NOTE: INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

Please Send Permit Applications to:

NWHI State Marine Refuge Permit Coordinator

State of Hawai'i

Department of Land and Natural Resources

Division of Aquatic Resources

1151 Punchbowl Street, Room 330

Honolulu, Hawai'i 96813

NWHI State Marine Refuge Permit Application

NWHI State Marine Refuge Permit Application
See Appendix 2 for Application Instructions

Section A – Applicant Information	
<p>1. Project Leader (attach Project Leader's CV or resume) <input checked="" type="checkbox"/> CV attached</p> <p>Palawski, Donald, U Name: Last, First, Middle Initial</p>	<p>Refuge Manager Title</p>
<p>2. Mailing Address (Street/PO Box, City, State, Zip)</p> <p>Hawaiian Islands National Wildlife Refuge P.O. Box 50167 Honolulu, HI 96850</p>	<p>Telephone (808)792-9550 Fax (808)792-9585 Email Address Don_Palawski@fws.gov</p>
<p>3. Affiliation (Institution/Agency/Organization)</p> <p>U.S. Fish and Wildlife Service Pacific Remote Islands National Wildlife Refuge Complex</p>	<p>For graduate students, Major Professor 's Name & Telephone N/A</p>
<p>4. Sub-Permittee/Assistant Names, Affiliations, and Contact Information <input type="checkbox"/> CV or resume attached Angela Anders, Crystal Bechaver, Joshua Boadway, Kelly Boadway, Elizabeth Flint, Scott Freeman, Cory Gregory, Dominique Horvath, Angela Kaufman, Alex Latchininsky, Sarah Luecke, James Maragos, Frank Mayer, Tim Mayer, Nicholas Methany, Ryan Murdoff, Anthony Palermo, Anan Raymond, Cynthia Rehkemper, Michael Richardson, John Schmerfeld, Jeffrey Troy, Daniel Tsukayama, LeeAnn Woodward, David Zabriskie</p> <p>All sub-permittees are affiliated with the U.S. Fish and Wildlife Service, Pacific Remote Islands National Wildlife Refuge Complex and may be contacted at the following:</p> <p>P.O. Box 50167 Honolulu, HI 96850</p> <p>808-792-9550 (phone) 808-792-9585 (fax)</p>	
<p>5. Project Title U.S. Fish and Wildlife Service, Hawaiian Islands National Wildlife Refuge (HINWR) Management Activities within Co-jurisdictional Waters of the Northwestern Hawaiian Islands (NWHI) State Marine Refuge.</p>	
<p>6. Applicant Signature</p> <p><i>Donald Palawski</i></p>	<p>7. Date (mm/dd/yyyy)</p> <p>9/8/06</p>

Section B: Project Information

8. (a) Project Location

☒ NWHI State Marine Refuge (0-3 miles) waters surrounding:

- ☒ Nihoa Island
- ☐ Necker Island (Mokumanamana)
- ☒ French Frigate Shoals
- ☒ Laysan
- ☐ Maro
- ☐ Gardner Pinnacles
- ☒ Lisianski Island, Neva Shoal
- ☐ Pearl and Hermes Atoll
- ☐ Kure Atoll, State Wildlife Refuge
- ☐ Other NWHI location

Describe project location (include names, GPS coordinates, habitats, depths and attach maps, etc. as appropriate).

The cargo vessel, M/V Kahana (see section 21 for details on the vessel), will anchor at French Frigate Shoals (23° 50.645 North 166° 16.493 West), Laysan Island (25° 46.457 North 171° 45.288 West), and Lisianski (26° 04.124 North 174° 00.749 West). It will use a single 1500 pound anchor with chain to anchor in sandy substrate only. The M/V Kahana will not anchor at Nihoa Island. All other activities in the waters will be on the surface only and will not cause any interaction with wildlife or habitat.

(b) check all actions to be authorized:

☒ Enter the NWHI Marine Refuge waters

☐ Take (harvest) ☐ Possess ☐ Transport (☐ Inter-island ☐ Out-of-state)

☐ Catch ☐ Kill ☐ Disturb ☐ Observe

☒ Anchor ☒ Land (go ashore) ☐ Archaeological research

☐ Interactions with Sea Turtles or Monk Seals ☐ Interactions with Seabirds

☐ Interactions with Live Coral, Ark Shells or Pearl Oysters

☐ Interactions with Jacks, Grouper or Sharks

☐ Conduct Native Hawaiian religious and/or cultural activities

☐ Other activities _____

(c) Collection of specimens – collecting activities (would apply to any activity): N/A

Organisms or objects (List of species, if applicable, add additional sheets if necessary):

Common name	Scientific name	No. & size of specimens	Collection Location(s)
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N/A

(d) What will be done with the specimens after the project has ended?

N/A

(e) Will the organisms be kept alive after collection? ☐ yes ☐ no N/A

- Specific site/location _____
- Is it an open or closed system? ☐ open ☐ closed N/A
- Is there an outfall? ☐ yes ☐ no N/A
- Will these organisms be housed with other organisms? If so, what are the other organisms?

N/A

(Please attach additional documentation as needed to complete the questions listed below)

9. Purpose/Need/Scope:

- State purpose of proposed activities:

The U.S. Fish and Wildlife Service (FWS) manages the Hawaiian Islands National Wildlife Refuge (HINWR) within the Northwestern Hawaiian Islands (NWHI). This refuge is part of the National Wildlife Refuge System, a 95-million acre system of lands and waters where wildlife comes first.

The FWS is the principal federal agency responsible for conserving, protecting, and enhancing fish, wildlife, and plants and their habitats for the continuing benefit of the American people. The agency enforces federal wildlife laws, administers the Endangered Species Act, manages migratory bird populations, restores nationally significant fisheries, conserves and restores wildlife habitat such as wetlands, and helps foreign governments with their conservation efforts.

The purposes of the proposed activities are to enter the waters of the NWHI State Marine Refuge for HINWR management support only. Under this permit application the only uses of the waters would be for logistical support of habitat and wildlife surveys on land via small boat operations, moving cargo and personnel from ship to shore for field camp resupply via small boat operations, and non-invasive no-disturbance swimming and snorkeling for long term staff fitness maintenance.

These activities are required for the continuation of HINWR management. With the exception of Tern Island, the only way to reach the islands of the HIWNR is by small boat, and the only way to deliver large amounts of cargo to Tern Island is by small boat. With the establishment of the NWHI State Marine Refuge, the waters are now a shared jurisdiction with the State of Hawaii, and therefore full disclosure of all activities that take place in the waters for HINWR management is being presented within this permit application.

The scope of these activities is as follows:

1) Small boat operations in support of habitat and wildlife surveys will occur in the waters surrounding Nihoa Island, the waters of French Frigate Shoals, the waters surrounding Laysan Island, and the waters of Neva Shoals (Lisianski Island). This is due to the fact that all of these islands, with the exception of Tern Island, may only be reached by small boat. The small boat operations to visit the islets within French Frigate Shoals will originate from Tern Island. The small boats will not anchor at Nihoa, Laysan, or Lisianski. They will only drive up to the beach or landing site and deliver/pick-up personnel and as needed to conduct habitat and wildlife surveys on shore. At French Frigate shoals, the small boats will anchor at the various islets of the atoll as needed to safely deploy personnel to conduct habitat and wildlife surveys. All anchors will be lowered into place and will only be located in sandy substrate. No coral will be disturbed in any anchoring operation.

2) Small boat operations to move cargo and personnel will occur in the waters surrounding Nihoa Island, the waters of French Frigate Shoals, the waters surrounding Laysan Island, and the waters of Neva Shoals (Lisianski Island). This is due to the fact that all of these islands, with the exception of Tern Island, may only be reached by small boat. At Tern Island we will be delivering cargo that is too large to safely transport by aircraft and therefore must be delivered from ship to shore via small boat operations. The small boats will not anchor at any of the islands for resupply efforts. They will only drive up to the beach or landing site and deliver/pick-up personnel and cargo as needed to support on island operations. At Tern Island, small boats will tie up to the dock, so no anchoring is necessary. The larger cargo vessel, M/V Kahana (see section 21 for details on the vessel), will anchor at French Frigate Shoals (23° 50.645 North 166° 16.493 West), Laysan Island (25° 46.457 North 171° 45.288 West), and Lisianski (26° 04.124 North 174° 00.749 West). It will use a single 1500 pound anchor with chain to anchor in sandy substrate only. The M/V Kahana will not anchor at Nihoa Island.

3) Refuge Managers and field technicians will be stationed at these locations for up to six months at a time. For physical and mental health they must take part in regular physical activity and exercise. This is required to maintain their physical and mental well-being in these remote locations for such extended periods of time. Therefore, they will conduct regular swimming and snorkeling activities. No disturbance to wildlife or any collections will occur during any swimming or snorkeling activities.

Describe how your proposed activities will help provide information or resources to fulfill the State Marine Refuge purpose and to reach the Refuge goals and objectives.

The FWS will perform coordinated management of NWHI State Marine Refuge and the NWHI Marine National Monument with the State of Hawaii and NOAA to ensure proper care and preservation of historic and scientific resources.

- Give reasons why this activity must take place in the NWHI and cannot take place in the Main Hawaiian Islands, or elsewhere.

This application is for support of field operations in the NWHI which therefore cannot take place elsewhere.

- Describe context of this activity, include history of the science for these questions and background.

The HIWNR has been a Federally administered wildlife refuge since 1909, when it was established by President Theodore Roosevelt under Executive Order 1019, and therefore these activities have been taking place as management activities for nearly 100 years.

- Explain the need for this activity and how it will help to enhance survival or recovery of refuge wildlife and habitats.

The FWS will perform coordinated management of NWHI State Marine Refuge and the Northwestern Hawaiian Islands Marine National Monument with the State of Hawaii and NOAA to ensure proper care and preservation of historic and scientific resources.

- Describe how your proposed project can help to better manage the State Marine Refuge.

The FWS will perform coordinated management of NWHI State Marine Refuge and the Northwestern Hawaiian Islands Marine National Monument with the State of Hawaii and NOAA to ensure proper care and preservation of historic and scientific resources.

10. Procedures (include equipment/materials)

The following refuge management procedures and administrative activities will be routinely conducted by FWS employees, contractors, volunteers or other Federal employees under the direction and administrative control of the Refuge Manager in accordance with Presidential Proclamation 8031 and the National Wildlife Refuge System Administration Act of 1966, as amended.

1) Small boat operations in support of habitat and wildlife surveys will occur in the waters surrounding Nihoa Island, the waters of French Frigate Shoals, the waters surrounding Laysan Island, and the waters of Neva Shoals (Lisianski Island). This is due to the fact that all of these islands, with the exception of Tern Island, may only be reached by small boat. The small boat operations to visit the islets within French Frigate Shoals will originate from Tern Island. The small boats will not anchor at Nihoa, Laysan, or Lisianski. They will only drive up to the beach or landing site and deliver/pick-up personnel and as needed to conduct habitat and wildlife surveys on shore. At French Frigate shoals, the small boats will anchor at the various islets of the atoll as needed to safely deploy personnel to conduct habitat and wildlife surveys. All anchors will be lowered into place and will only be located in sandy substrate. No coral will be disturbed in any anchoring operation.

2) Small boat operations to move cargo and personnel will occur in the waters surrounding Nihoa Island, the waters of French Frigate Shoals, the waters surrounding Laysan Island, and the waters of Neva Shoals (Lisianski Island). This is due to the fact that all of these islands, with the exception of Tern Island, may only be reached by small boat. At Tern Island we will be delivering cargo that is too large to safely transport by aircraft and therefore must be delivered from ship to shore via small boat operations. The small boats will not anchor at any of the islands for resupply efforts. They will only drive up to the beach or landing site and deliver/pick-up personnel and cargo as needed to support on island operations. At Tern Island, small boats will tie up to the dock, so no anchoring is necessary. The larger cargo vessel, M/V Kahana (see section 21 for details on the vessel), will anchor at French Frigate Shoals (23° 50.645 North 166° 16.493 West), Laysan Island (25° 46.457 North 171° 45.288 West), and Lisianski (26° 04.124 North 174° 00.749 West). It will use a single 1500 pound anchor with chain to anchor in sandy substrate only. The M/V Kahana will not anchor at Nihoa Island.

3) Refuge Managers and field technicians will be stationed at these locations for up to six months at a time. For physical and mental health they must take part in regular physical activity and exercise. This is required to maintain their physical and mental well-being in these remote locations for such extended periods of time. Therefore, they will conduct regular swimming and snorkeling activities. No disturbance to wildlife or any collections will occur during any swimming or snorkeling activities.

11. Funding sources (attach copies budget & funding sources).

All funding is provided through annual United States Congressional Appropriations for U.S. Fish and Wildlife Service, Hawaiian Islands National Wildlife Refuge management. No attachments are included.

12. List all literature cited in this application as well as all other publications relevant to the proposed project.

N/A

13. What types of insurance do you have in place? (attach documentation)

Documentation for M/V Kahana will be forthcoming.

- ☒ Wreck Removal
- ☒ Pollution

14. What certifications/inspections do you have scheduled for your vessel? (attach documentation)

These inspections will be scheduled for dates closer to the departure dates to better ensure that no introductions of alien species are made after the inspections and before entering the NWHI State Marine Refuge. Scott Godwin, HIMB, will conduct the Hull inspection, tender vessel inspection, and ballast water inspection. U.S. Fish and Wildlife Service is self inspected as a Federal agency.

☒ Rat free ☒ tender vessel ☐ gear/equipment
☒ Hull inspection ☒ ballast water

15. Other permits (list and attach documentation of all other required Federal or State permits).
 A permit application has been submitted to the NWHI Marine National Monument for these activities.

16. Project's relationship to other research projects within the NWHI State Marine Refuge, National Wildlife Refuge, NWHI Coral Reef Ecosystem Reserve, or elsewhere.
 N/A

Section C: Logistics	
17. Time Frame:	
Project Start Date 22 September 2006	Project Completion Date 31 December 2006
Dates actively inside the State Marine Refuge. 22 September 2006 – 31 December 2006	
Personnel schedule in the State Marine Refuge (describe who will be where and when). Waters surrounding Nihoa Island – 12 October 2006, 23 October 2006 Waters of French Frigate Shoals – 22 September through 31 December 2006 Waters surrounding Laysan Island – 15 October 2006, 19 October 2006 Waters of Neva Shoals – 16 October 2006, 18 October 2006	
18. Gear and Materials N/A <input type="checkbox"/> Dive equipment <input type="checkbox"/> Radio Isotopes <input type="checkbox"/> Collecting Equipment <input type="checkbox"/> Chemicals (specify types)	
19. Fixed installations and instrumentation. N/A <input type="checkbox"/> Transect markers <input type="checkbox"/> Acoustic receivers <input type="checkbox"/> Other (specify)	
20. Provide a time line for sample analysis, data analysis, write-up and publication of information. N/A	
21. Vessel Information:	
Vessel Name <u>M/V Kahana</u>	IMO Number <u>8108142</u>
Vessel Owner <u>P&R Water Taxi</u>	Flag <u>United States</u>
Captain's Name <u>Mario Luis</u>	Chief Scientist or Project Leader <u>Elizabeth Flint, FWS Employee</u>

Vessel Type Cargo Vessel Call sign WDC 7062

Length 185 ft Gross tonnage 260 tons

Port of Embarkation Honolulu, HI

Last port vessel will have been at prior to this embarkation Honolulu, HI

Total Ballast Water Capacity: Volume 62,117 m3 Total number of tanks on ship 8

Total Fuel Capacity: 62,007 gallons Total number of fuel tanks on ship 6

Other fuel/chemicals to be carried on board and amounts:

2000 gallons of gasoline to Midway Atoll (onboard during transit through the NWHI State Marine Refuge)

110 gallons of gasoline to Tern Island

110 gallons of diesel fuel to Tern Island

5 each 24 gallon propane cylinders to Tern Island

55 gallons of gasoline to Laysan Island

12 each 15 gallon propane cylinders to Laysan Island

Number of tenders/skiffs aboard and specific type of motors:

35' steel landing craft with two diesel 150 horse power inboard Cummins engines

24' rigid hull inflatable with one diesel 175 horse power inboard/out drive Cummins engine

17' Zodiac soft-bottom inflatable with one 50 horse power 4-stroke Yamaha engine

Does the vessel have the capability to hold sewage and grey-water? Describe in detail.

Yes, the vessel can carry both sewage and grey-water in its single 11,000 gallon holding tank. There will be no release of sewage or grey water within the NWHI State Marine Refuge.

Does the vessel have a night-time light protocol for use in the NWHI? Describe in detail (attach additional pages as necessary)

Yes, at night the vessel runs yellow flood lights around the wheel house for personnel safety. No white lights are used, and no spot lights are used.

VMS: Thrane and Thrane, Sailor 3026D

This VMS unit has been ordered and installation is scheduled. Once the unit is received and registered the Unit ID number and Email address will be available. The M/V Kahana will coordinate with NOAA Office of Law Enforcement to arrange for testing prior to departure from Honolulu.

On what workboats (tenders) will personnel, gear and materials be transported within the State Marine Refuge?

During work associated with the M/V Kahana at Nihoa Island, Tern Island, Laysan Island, and Lisianski Island the following workboats will be used:

35' steel landing craft with two diesel 150 horse power inboard Cummins engines

24' rigid hull inflatable with one diesel 175 horse power inboard/out drive Cummins engine

17' Zodiac soft-bottom inflatable with one 50 horse power 4-stroke Yamaha engine

For work at Tern Island that includes inter-islet transit the following workboats will be used:

19' Safeboat with two 60 horse power 4-stroke Mercury engines

17' Boston Whaler with one 50 horse power 4-stroke Honda engine and one 9.9 horse power 4-stroke Honda engine

17' Boston Whaler with one 50 horse power 4-stroke Honda engine and one 9.9 horse power 4-stroke Honda engine

17' Boston Whaler with one 50 horse power 4-stroke Yamaha engine

How will personnel, gear and materials be transported between ship and shore?

During work associated with the M/V Kahana at Nihoa Island, Tern Island, Laysan Island, and Lisianski Island the following workboats will be used:

35' steel landing craft with two diesel 150 horse power inboard Cummins engines

24' rigid hull inflatable with one diesel 175 horse power inboard/out drive Cummins engine

17' Zodiac soft-bottom inflatable with one 50 horse power 4-stroke Yamaha engine

If applicable, how will personnel be transported between islands within any one atoll?

For work at Tern Island that includes inter-islet transit the following workboats will be used:

19' Safeboat with two 60 horse power 4-stroke Mercury engines

17' Boston Whaler with one 50 horse power 4-stroke Honda engine and one 9.9 horse power 4-stroke Honda engine

17' Boston Whaler with one 50 horse power 4-stroke Honda engine and one 9.9 horse power 4-stroke Honda engine

601 Union Street, Suite 1000, Seattle, WA 98101-4064
 PO Box 370, Seattle, WA 98111
 Phone: 206-441-6300 800-767-0650
 Fax: 206-508-6085

Kibble & Prentice

CERTIFICATE OF INSURANCE
HULL & MACHINERY / PROTECTION & INDEMNITY / EXCESS P&I / POLLUTION
P & R WATER TAXI, LTD.
PAGE 1 OF 2

THIS IS TO CERTIFY that such insurance policies indicated hereunder have been issued and are in force and effect on the effective date on this Certificate.

ASSURED: P & R Water Taxi, Ltd.
 P.O. Box 2851
 Honolulu, HI 96803

LOSS PAYEE: H&M: Assured and Premium Finance Company TBD
 P&I: Assured or Order

DESCRIPTION OF PROPERTY: M/V KAHANA

TYPE OF COVERAGE:
 A. Hull & Machinery
 B. Protection & Indemnity, including wreck removal
 C. Excess P&I
 D. Pollution

AMOUNT OF INSURANCE:
 A. \$850,000
 B. \$1,000,000
 C. \$4,000,000 excess \$1,000,000
 D. \$1,000,000

AGREED VALUE (H&M): \$850,000

POLICY TERM: August 15, 2006, Noon, PST, to August 15, 2007, Noon, PST

INSURERS	PERCENT	POLICY NO.
A & B (Hull & Machinery, Protection & Indemnity) Subscription Policy No. KPM 060260:		
Navigators Insurance Company through	60%	SE06CPT8685/81
Navigators Insurance Services of Washington, Inc.		
Indemnity Insurance Company of North America	20%	N0090059A
Commonwealth Insurance Co. of America	20%	CICSM1700-02
C (Excess P&I):		
Navigators Insurance Company through	100%	SE06LJA8563/81
Navigators Insurance Services of Washington, Inc.		
D (Pollution):		
Underwriters at Lloyds, London through	100%	MC064502
Crump Insurance Services Northwest, Inc.		

This certificate is issued as a matter of information only and, as such, neither affords any insurance nor confers rights upon the holder. It neither affirmatively nor negatively amends, extends, or alters the coverage afforded by the policy identified above.

ISSUED TO: US Fish & Wildlife
 c/o P&R Water Taxi, Ltd.
 via e-mail

Should any of the above described policies be cancelled before the expiration date thereof, the issuing insurer will endeavor to mail 30 days written notice to the certificate holder named herein, but failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives. In the event of non-payment of premium, notice of cancellation will be given in accordance with policy terms and conditions.

Date Issued: September 13, 2006

BY: 

CV
Donald Palawski, Refuge Manager
Pacific Remote Islands National Wildlife Refuge Complex
U.S. Fish and Wildlife Service
P.O. Box 50167
Honolulu, HI 96850

Don Palawski has worked for the U.S. Fish and Wildlife Service for 29 years. He is currently the Refuge Manager of the Pacific Remote Islands National Wildlife Refuge Complex that consists of eight refuges in the Central Pacific Ocean. He manages the Hawaiian Islands National Wildlife Refuge, which encompasses the islands and atolls that extend from Nihoa Island to Pearl and Hermes Reef in the Northwestern Hawaiian Islands and includes year-round field camps at Tern Island and Laysan Island. He also is responsible for managing Rose Atoll National Wildlife Refuge in American Samoa and six other Central Pacific refuges that are unincorporated U.S. insular possessions (Baker Island, Howland Island, Jarvis Island, Johnston Island, Kingman Reef, and Palmyra Atoll).

Before coming to Hawaii 11 years ago, Don worked at U.S. Fish and Wildlife Service Field Offices in Montana, California and Missouri. He has a Bachelor of Science in Fisheries Management from Michigan State University and a Master of Science in Entomology from the University of Missouri.